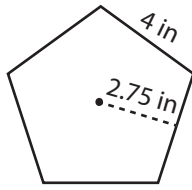


Polygon - Area & Perimeter

Example:



Perimeter = number of sides \times side length

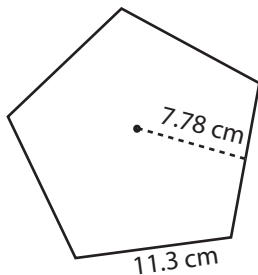
$$= 5 \times 4 = \mathbf{20 \text{ in}}$$

$$\text{Area} = \frac{1}{2} \times \text{apothem} \times \text{perimeter}$$

$$= \frac{1}{2} \times 2.75 \times 20 = \mathbf{27.5 \text{ in}^2}$$

Find the perimeter and area of each polygon. Round the answer to two decimal places.

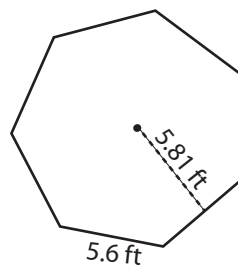
1)



Perimeter = _____

Area = _____

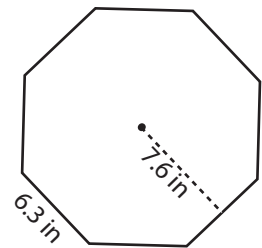
2)



Perimeter = _____

Area = _____

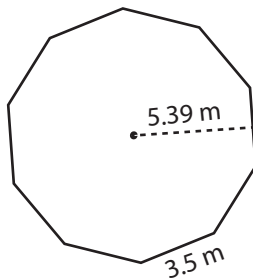
3)



Perimeter = _____

Area = _____

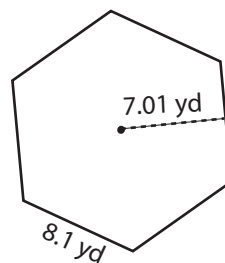
4)



Perimeter = _____

Area = _____

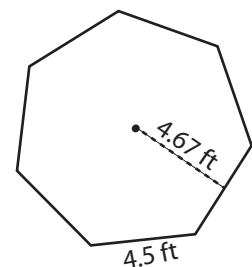
5)



Perimeter = _____

Area = _____

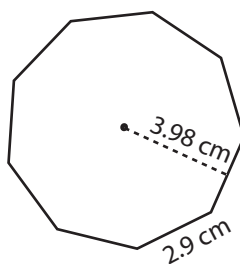
6)



Perimeter = _____

Area = _____

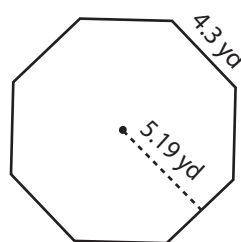
7)



Perimeter = _____

Area = _____

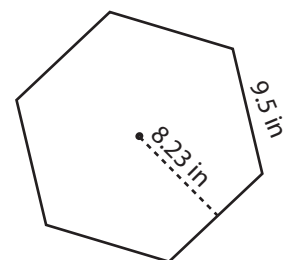
8)



Perimeter = _____

Area = _____

9)

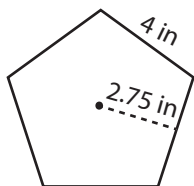


Perimeter = _____

Area = _____

Answer Key

Example:

Perimeter = number of sides \times side length

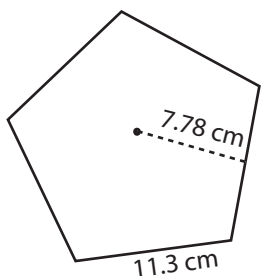
$$= 5 \times 4 = \mathbf{20 \text{ in}}$$

$$\text{Area} = \frac{1}{2} \times \text{apothem} \times \text{perimeter}$$

$$= \frac{1}{2} \times 2.75 \times 20 = \mathbf{27.5 \text{ in}^2}$$

Find the perimeter and area of each polygon. Round the answer to two decimal places.

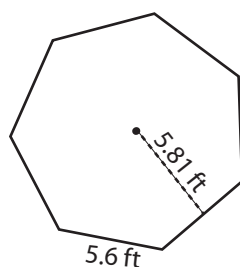
1)



Perimeter = **56.5 cm**

Area = **219.79 cm²**

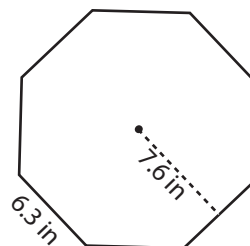
2)



Perimeter = **39.2 ft**

Area = **113.88 ft²**

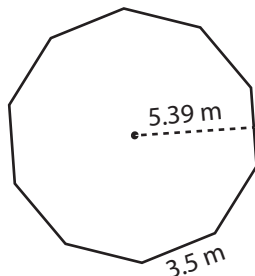
3)



Perimeter = **50.4 in**

Area = **191.52 in²**

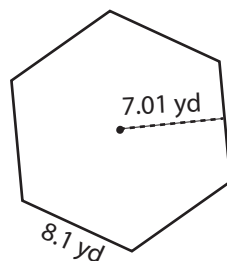
4)



Perimeter = **35 m**

Area = **94.33 m²**

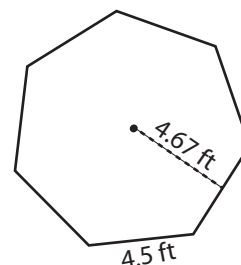
5)



Perimeter = **48.6 yd**

Area = **170.34 yd²**

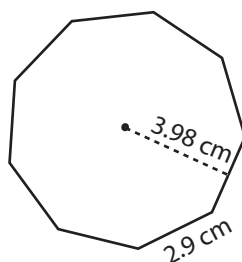
6)



Perimeter = **31.5 ft**

Area = **73.55 ft²**

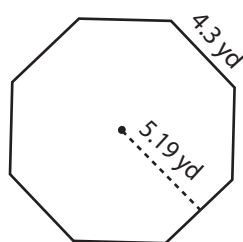
7)



Perimeter = **26.1 cm**

Area = **51.94 cm²**

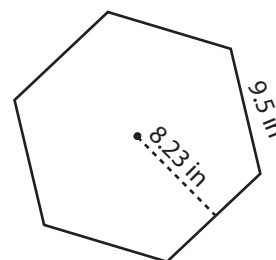
8)



Perimeter = **34.4 yd**

Area = **89.27 yd²**

9)



Perimeter = **57 in**

Area = **234.56 in²**